

# Jörg E Drewes

## List of Publications by Year in descending order

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205  
papers

15,120  
citations

19657

61  
h-index

19749

117  
g-index

209  
all docs

209  
docs citations

209  
times ranked

13373  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastic sampling from wastewater treatment plant effluents: Best-practices and synergies between thermoanalytical and spectroscopic analysis. <i>Water Research</i> , 2022, 219, 118549.	11.3	15
2	Neighborhood-Scale Urban Water Reclamation with Integrated Resource Recovery for Establishing Nexus City in Munich, Germany: Pipe Dream or Reality?. <i>Resources</i> , 2022, 11, 64.	3.5	1
3	A Novel Analytical Approach to Assessing Sorption of Trace Organic Compounds into Micro- and Nanoplastic Particles. <i>Biomolecules</i> , 2022, 12, 953.	4.0	1
4	Toward Mainstream Anammox by Integrating Sidestream Treatment. <i>Environmental Science &amp; Technology</i> , 2022, 56, 10553-10556.	10.0	14
5	Full-Scale Assessment of Ultrasonic Sewage Sludge Pretreatment Using a Novel Double-Tube Reactor. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 298-309.	7.6	12
6	Infrastructure Shaming and Consequences for Management of Urban WEF Security Nexus in China and India. <i>Water (Switzerland)</i> , 2021, 13, 267.	2.7	2
7	Assessment of Full-Scale Indirect Potable Water Reuse in El Port de la Selva, Spain. <i>Water (Switzerland)</i> , 2021, 13, 325.	2.7	5
8	Organic Contaminants and Interactions with Micro- and Nano-Plastics in the Aqueous Environment: Review of Analytical Methods. <i>Molecules</i> , 2021, 26, 1164.	3.8	15
9	Fate and Transport of Viruses within a High-Rate Plug-Flow Biofilter Designed for Non-Membrane-Based Indirect Potable Reuse Applications. <i>ACS ES&amp;T Water</i> , 2021, 1, 1229-1239.	4.6	0
10	Inline dosing of powdered activated carbon and coagulant prior to ultrafiltration at pilot-scale â€œ Effects on trace organic chemical removal and operational stability. <i>Chemical Engineering Journal</i> , 2021, 414, 128801.	12.7	11
11	Methodological Advances to Study Contaminant Biotransformation: New Prospects for Understanding and Reducing Environmental Persistence?. <i>ACS ES&amp;T Water</i> , 2021, 1, 1541-1554.	4.6	35
12	Analyzing (Initial) Biotransformation Reactions as an Organizing Principle for Unraveling the Extent of Trace Organic Chemical Biotransformation in Biofiltration Systems. <i>ACS ES&amp;T Water</i> , 2021, 1, 1921-1931.	4.6	8
13	Application of the Waterâ€™Energyâ€™Food Nexus Approach to the Climate-Resilient Water Safety Plan of Leh Town, India. <i>Sustainability</i> , 2021, 13, 10550.	3.2	8
14	Removal of Trace Organic Chemicals during Long-Term Biofilter Operation. <i>ACS ES&amp;T Water</i> , 2021, 1, 300-308.	4.6	4
15	A hydraulically optimized fluidized bed UF membrane reactor (FB-UF-MR) for direct treatment of raw municipal wastewater to enable water reclamation with integrated energy recovery. <i>Separation and Purification Technology</i> , 2020, 235, 116165.	7.9	17
16	Differentiating between adsorption and biodegradation mechanisms while removing trace organic chemicals (TOCs) in biological activated carbon (BAC) filters. <i>Science of the Total Environment</i> , 2020, 743, 140567.	8.0	18
17	Microbial genetic potential for xenobiotic metabolism increases with depth during biofiltration. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 2058-2069.	3.5	4
18	Validation of Sample Preparation Methods for Microplastic Analysis in Wastewater Matricesâ€™Reproducibility and Standardization. <i>Water (Switzerland)</i> , 2020, 12, 2445.	2.7	79

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19	Reducing the Impacts of Biofouling in RO Membrane Systems through In Situ Low Fluence Irradiation Employing UVC-LEDs. <i>Membranes</i> , 2020, 10, 415.	3.0	10
20	Systematic Development of a Simultaneous Determination of Plastic Particle Identity and Adsorbed Organic Compounds by Thermodesorption-Pyrolysis GC/MS (TD-Pyr-GC/MS). <i>Molecules</i> , 2020, 25, 4985.	3.8	21
21	Editorial Perspectives: will SARS-CoV-2 reset public health requirements in the water industry? Integrating lessons of the past and emerging research. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1761-1764.	2.4	8
22	BioTOOL—a Readily and Flexible Biogas Rate Prediction Tool for End-users. <i>Environmental Modeling and Assessment</i> , 2019, 24, 87-94.	2.2	3
23	Elucidation of removal processes in sequential biofiltration (SBF) and soil aquifer treatment (SAT) by analysis of a broad range of trace organic chemicals (TOCs) and their transformation products (TPs). <i>Water Research</i> , 2019, 163, 114857.	11.3	28
24	Investigating synergies in sequential biofiltration-based hybrid systems for the enhanced removal of trace organic chemicals from wastewater treatment plant effluents. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1423-1435.	2.4	9
25	Role of reduced empty bed contact times and pre-treatment by coagulation with Fe(III) salts on the removal of trace organic compounds during sequential biofiltration. <i>Science of the Total Environment</i> , 2019, 685, 220-228.	8.0	4
26	Antibiotic microbial resistance (AMR) removal efficiencies by conventional and advanced wastewater treatment processes: A review. <i>Science of the Total Environment</i> , 2019, 685, 596-608.	8.0	187
27	Dynamics of Wastewater Effluent Contributions in Streams and Impacts on Drinking Water Supply via Riverbank Filtration in Germany—A National Reconnaissance. <i>Environmental Science &amp; Technology</i> , 2019, 53, 6154-6161.	10.0	50
28	Analysis of Greenhouse Gas Emissions in Centralized and Decentralized Water Reclamation with Resource Recovery Strategies in Leh Town, Ladakh, India, and Potential for Their Reduction in Context of the Water-Energy-Food Nexus. <i>Water (Switzerland)</i> , 2019, 11, 906.	2.7	17
29	Capturing the oxic transformation of iopromide — A useful tool for an improved characterization of predominant redox conditions and the removal of trace organic compounds in biofiltration systems?. <i>Water Research</i> , 2019, 152, 274-284.	11.3	15
30	Biotransformation of trace organic chemicals in the presence of highly refractory dissolved organic carbon. <i>Chemosphere</i> , 2019, 215, 33-39.	8.2	26
31	UV/H <sub>2</sub> O <sub>2</sub> process stability and pilot-scale validation for trace organic chemical removal from wastewater treatment plant effluents. <i>Water Research</i> , 2018, 136, 169-179.	11.3	99
32	Nitrogen removal and intentional nitrous oxide production from reject water in a coupled nitrification/nitrous denitrification system under real feed-stream conditions. <i>Bioresource Technology</i> , 2018, 255, 58-66.	9.6	32
33	Cavitation field analysis for an increased efficiency of ultrasonic sludge pre-treatment using a novel hydrophone system. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 672-678.	8.2	19
34	Insight into the effects of biochar as adsorbent and microwave receptor from one-step microwave pyrolysis of sewage sludge. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18424-18433.	5.3	29
35	Evaluation of advanced oxidation processes for water and wastewater treatment — A critical review. <i>Water Research</i> , 2018, 139, 118-131.	11.3	1,891
36	Application of the oxidation reduction potential (ORP) for process control and monitoring nitrite in a Coupled Aerobic-anoxic Nitrous Decomposition Operation (CANDO). <i>Chemical Engineering Journal</i> , 2018, 343, 484-491.	12.7	31

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37	Correlation between hydrolysis rate constant and chemical composition of energy crops. <i>Renewable Energy</i> , 2018, 118, 34-42.	8.9	20
38	Establishing sequential managed aquifer recharge technology (SMART) for enhanced removal of trace organic chemicals: Experiences from field studies in Berlin, Germany. <i>Journal of Hydrology</i> , 2018, 563, 1161-1168.	5.4	47
39	Separation of nitrous oxide from aqueous solutions applying a micro porous hollow fiber membrane contactor for energy recovery. <i>Separation and Purification Technology</i> , 2018, 195, 271-280.	7.9	23
40	Management strategies for trace organic chemicals in water – A review of international approaches. <i>Chemosphere</i> , 2018, 195, 410-426.	8.2	27
41	Validation of Arxula Yeast Estrogen Screen assay for detection of estrogenic activity in water samples: Results of an international interlaboratory study. <i>Science of the Total Environment</i> , 2018, 621, 612-625.	8.0	32
42	Energy-positive sewage sludge pre-treatment with a novel ultrasonic flatbed reactor at low energy input. <i>Bioresource Technology</i> , 2018, 264, 298-305.	9.6	34
43	Improving UV/H <sub>2</sub> O <sub>2</sub> performance following tertiary treatment of municipal wastewater. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1321-1330.	2.4	15
44	CT scanning of membrane feed spacers – Impact of spacer model accuracy on hydrodynamic and solute transport modeling in membrane feed channels. <i>Journal of Membrane Science</i> , 2018, 564, 133-145.	8.2	21
45	Predicting methane yield by linear regression models: A validation study for grassland biomass. <i>Bioresource Technology</i> , 2018, 265, 372-379.	9.6	17
46	Evaluation of the short-term fate and transport of chemicals of emerging concern during soil-aquifer treatment using select transformation products as intrinsic redox-sensitive tracers. <i>Science of the Total Environment</i> , 2017, 583, 10-18.	8.0	15
47	Forward osmosis as a platform for resource recovery from municipal wastewater - A critical assessment of the literature. <i>Journal of Membrane Science</i> , 2017, 529, 195-206.	8.2	182
48	Full scale co-digestion of wastewater sludge and food waste: Bottlenecks and possibilities. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 354-362.	16.4	239
49	Evaluation of concrete corrosion after short- and long-term exposure to chemically and microbially generated sulfuric acid. <i>Cement and Concrete Research</i> , 2017, 94, 36-48.	11.0	57
50	Mass spectrometry based in vitro assay investigations on the transformation of pharmaceutical compounds by oxidative enzymes. <i>Chemosphere</i> , 2017, 174, 466-477.	8.2	17
51	Tube reactors as a novel ultrasonication system for trouble-free treatment of sludges. <i>Ultrasonics Sonochemistry</i> , 2017, 37, 464-470.	8.2	17
52	Strategies for enhanced deammonification performance and reduced nitrous oxide emissions. <i>Bioresource Technology</i> , 2017, 236, 174-185.	9.6	16
53	Trace organic chemical attenuation during managed aquifer recharge: Insights from a variably saturated 2D tank experiment. <i>Journal of Hydrology</i> , 2017, 548, 641-651.	5.4	11
54	Photoacoustic Spectroscopy for the Quantification of N <sub>2</sub> O in the Off-Gas of Wastewater Treatment Plants. <i>Analytical Chemistry</i> , 2017, 89, 3795-3801.	6.5	15

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55	Unexpected Diversity and High Abundance of Putative Nitric Oxide Dismutase (Nod) Genes in Contaminated Aquifers and Wastewater Treatment Systems. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	51
56	Sequential biofiltration – A novel approach for enhanced biological removal of trace organic chemicals from wastewater treatment plant effluent. <i>Water Research</i> , 2017, 127, 127-138.	11.3	50
57	The importance of key attenuation factors for microbial and chemical contaminants during managed aquifer recharge: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 1409-1452.	12.8	43
58	Robust evaluation of performance monitoring options for ozone disinfection in water recycling using Bayesian analysis. <i>Water Research</i> , 2017, 124, 605-617.	11.3	16
59	High performance biological methanation in a thermophilic anaerobic trickle bed reactor. <i>Bioresource Technology</i> , 2017, 245, 1176-1183.	9.6	98
60	The role of inoculum’s origin on the methane yield of different substrates in biochemical methane potential (BMP) tests. <i>Bioresource Technology</i> , 2017, 243, 457-463.	9.6	89
61	Influence of organic load on the defluoridation efficiency of nano-magnesium oxide in groundwater. <i>Separation and Purification Technology</i> , 2017, 174, 116-125.	7.9	14
62	A proposed nomenclature for biological processes that remove nitrogen. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 10-17.	2.4	20
63	Advancing Sequential Managed Aquifer Recharge Technology (SMART) Using Different Intermediate Oxidation Processes. <i>Water (Switzerland)</i> , 2017, 9, 221.	2.7	38
64	Editorial: Journal of Water Reuse and Desalination moves to Open Access. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 465-465.	2.3	0
65	Evaluation of Factors Influencing Lab-Scale Studies to Determine Heavy Metal Removal by Six Sorbents for Stormwater Treatment. <i>Water (Switzerland)</i> , 2016, 8, 62.	2.7	14
66	Performance and N <sub>2</sub> O Formation of the Deammonification Process by Suspended Sludge and Biofilm Systems – A Pilot-Scale Study. <i>Water (Switzerland)</i> , 2016, 8, 578.	2.7	6
67	Heavy metal removal mechanisms of sorptive filter materials for road runoff treatment and remobilization under de-icing salt applications. <i>Water Research</i> , 2016, 102, 453-463.	11.3	35
68	Holistic and Detailed View on Workflow Strategies Applied in This Book. <i>ACS Symposium Series</i> , 2016, , 175-181.	0.5	1
69	Chemicals of Emerging Concern and Their Transformation Products in the Aqueous Environment. <i>ACS Symposium Series</i> , 2016, , 3-9.	0.5	1
70	An Assessment of International Management Strategies for CECs in Water. <i>ACS Symposium Series</i> , 2016, , 11-22.	0.5	4
71	Widening the Analytical Perspective: Polarity Extended Separation for Monitoring of Trace Organic Compounds in Surface Water Matrices. <i>ACS Symposium Series</i> , 2016, , 103-117.	0.5	2
72	Linking Trace Organic Chemical Attenuation to Microbiome Metabolic Capabilities: Insights from Laboratory- and Full-Scale Managed Aquifer Recharge Systems. <i>ACS Symposium Series</i> , 2016, , 163-187.	0.5	3

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73	Application of 3D-fluorescence/PARAFAC to monitor the performance of managed aquifer recharge facilities. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 249-263.	2.3	10
74	Fate of bulk organic carbon and bromate during indirect water reuse involving ozone and subsequent aquifer recharge. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 413-420.	2.3	12
75	rRNA Gene Expression of Abundant and Rare Activated-Sludge Microorganisms and Growth Rate Induced Micropollutant Removal. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6299-6309.	10.0	46
76	Insight into the defluoridation efficiency of nano magnesium oxide in groundwater system contaminated with hexavalent chromium and fluoride. <i>Separation and Purification Technology</i> , 2016, 162, 195-202.	7.9	16
77	Introducing sequential managed aquifer recharge technology (SMART) – From laboratory to full-scale application. <i>Chemosphere</i> , 2016, 154, 8-16.	8.2	52
78	Evaluation of site-specific factors influencing heavy metal contents in the topsoil of vegetated infiltration swales. <i>Science of the Total Environment</i> , 2016, 560-561, 19-28.	8.0	31
79	Oxidation of bisphenol A by a boron-doped diamond electrode in different water matrices: transformation products and inorganic by-products. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2539-2548.	3.5	8
80	The role of residual quantities of suspended sludge on nitrogen removal efficiency in a deammonifying moving bed biofilm reactor. <i>Bioresource Technology</i> , 2016, 219, 212-218.	9.6	12
81	Characterization of sulfur oxidizing bacteria related to biogenic sulfuric acid corrosion in sludge digesters. <i>BMC Microbiology</i> , 2016, 16, 153.	3.3	44
82	Multimedia screening of contaminants of emerging concern (CECS) in coastal urban watersheds in southern California (USA). <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1986-1994.	4.3	63
83	A novel test method to determine the filter material service life of decentralized systems treating runoff from traffic areas. <i>Journal of Environmental Management</i> , 2016, 179, 66-75.	7.8	14
84	Comparative analysis of biogenic and chemical sulfuric acid attack on hardened cement paste using laser ablation-ICP-MS. <i>Cement and Concrete Research</i> , 2016, 87, 14-21.	11.0	44
85	Seasonal variations in fate and removal of trace organic chemical contaminants while operating a full-scale membrane bioreactor. <i>Science of the Total Environment</i> , 2016, 550, 176-183.	8.0	72
86	Disturbance opens recruitment sites for bacterial colonization in activated sludge. <i>Environmental Microbiology</i> , 2016, 18, 87-99.	3.8	38
87	Methane from CO <sub>2</sub> : Influence of different CO <sub>2</sub> concentrations in the flush gas on the methane production in BMP tests. <i>Waste Management</i> , 2016, 49, 36-39.	7.4	8
88	Influence of Wastewater Discharge on the Metabolic Potential of the Microbial Community in River Sediments. <i>Microbial Ecology</i> , 2016, 71, 78-86.	2.8	33
89	Hazardous events in membrane bioreactors – Part 1: Impacts on key operational and bulk water quality parameters. <i>Journal of Membrane Science</i> , 2016, 497, 494-503.	8.2	10
90	Hazardous events in membrane bioreactors – Part 3: Impacts on microorganism log removal efficiencies. <i>Journal of Membrane Science</i> , 2016, 497, 514-523.	8.2	14

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91	Preparation and characterization of a reactive filter for groundwater defluoridation. <i>Chemical Engineering Journal</i> , 2016, 283, 1154-1167.	12.7	20
92	Co-digestion of food waste in a municipal wastewater treatment plant: Comparison of batch tests and full-scale experiences. <i>Waste Management</i> , 2016, 47, 28-33.	7.4	120
93	Hazardous events in membrane bioreactors – Part 2: Impacts on removal of trace organic chemical contaminants. <i>Journal of Membrane Science</i> , 2016, 497, 504-513.	8.2	10
94	Contemporary design, operation, and monitoring of potable reuse systems. <i>Journal of Water Reuse and Desalination</i> , 2015, 5, 1-7.	2.3	21
95	Effect of temperature on removal of trace organic chemicals in managed aquifer recharge systems. <i>Chemosphere</i> , 2015, 122, 23-31.	8.2	25
96	Start-up performance of a full-scale riverbank filtration site regarding removal of DOC, nutrients, and trace organic chemicals. <i>Chemosphere</i> , 2015, 127, 136-142.	8.2	59
97	Mechanisms of Pathogenic Virus Removal in a Full-Scale Membrane Bioreactor. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2815-2822.	10.0	105
98	Biotransformation of trace organic chemicals during groundwater recharge: How useful are first-order rate constants?. <i>Journal of Contaminant Hydrology</i> , 2015, 179, 65-75.	3.3	62
99	Characterization of granular matrix supported nano magnesium oxide as an adsorbent for defluoridation of groundwater. <i>Chemical Engineering Journal</i> , 2015, 281, 632-643.	12.7	38
100	Influence of headspace flushing on methane production in Biochemical Methane Potential (BMP) tests. <i>Bioresource Technology</i> , 2015, 186, 173-178.	9.6	53
101	Comprehensive assessment of Cytochrome P450 reactions: A multiplex approach using real-time ESI-MS. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2573-2581.	2.4	1
102	Assessment of fixed bed of aluminum infused diatomaceous earth as appropriate technology for groundwater defluoridation. <i>Separation and Purification Technology</i> , 2015, 153, 108-117.	7.9	6
103	Correlation between Biogas Yield and Chemical Composition of Grassland Plant Species. <i>Energy &amp; Fuels</i> , 2015, 29, 7221-7229.	5.1	37
104	Electrochemical disinfection using boron-doped diamond electrode – The synergetic effects of in situ ozone and free chlorine generation. <i>Chemosphere</i> , 2015, 121, 47-53.	8.2	102
105	Co-digestion of food waste in municipal wastewater treatment plants: Effect of different mixtures on methane yield and hydrolysis rate constant. <i>Applied Energy</i> , 2015, 137, 250-255.	10.1	170
106	Disturbance and temporal partitioning of the activated sludge metacommunity. <i>ISME Journal</i> , 2015, 9, 425-435.	9.8	99
107	Tuning the performance of a natural treatment process using metagenomics for improved trace organic chemical attenuation. <i>Water Science and Technology</i> , 2014, 69, 628-633.	2.5	18
108	Revealing biogenic sulfuric acid corrosion in sludge digesters: detection of sulfur-oxidizing bacteria within full-scale digesters. <i>Water Science and Technology</i> , 2014, 70, 1405-1411.	2.5	6



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109	Correlation between biogas yield and chemical composition of energy crops. <i>Bioresource Technology</i> , 2014, 174, 316-320.	9.6	90
110	Assessment of virus removal by managed aquifer recharge at three full-scale operations. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1685-1692.	1.7	60
111	Trends in water quality variability for coalbed methane produced water. <i>Journal of Cleaner Production</i> , 2014, 84, 840-848.	9.3	30
112	The occurrence and fate of chemicals of emerging concern in coastal urban rivers receiving discharge of treated municipal wastewater effluent. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 350-358.	4.3	69
113	Coalbed methane produced water screening tool for treatment technology and beneficial use. <i>Journal of Unconventional Oil and Gas Resources</i> , 2014, 5, 22-34.	3.5	35
114	Modelling the rejection of N-nitrosamines by a spiral-wound reverse osmosis system: Mathematical model development and validation. <i>Journal of Membrane Science</i> , 2014, 454, 212-219.	8.2	20
115	Geophysical and Hydrochemical Identification of Flow Paths with Implications for Water Quality at an <sc>ARR</sc> Site. <i>Ground Water Monitoring and Remediation</i> , 2014, 34, 105-116.	0.8	19
116	Rejection of small solutes by reverse osmosis membranes for water reuse applications: A pilot-scale study. <i>Desalination</i> , 2014, 350, 28-34.	8.2	22
117	Role of primary substrate composition on microbial community structure and function and trace organic chemical attenuation in managed aquifer recharge systems. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5747-5756.	3.6	71
118	Results of an Interlaboratory Comparison of Analytical Methods for Contaminants of Emerging Concern in Water. <i>Analytical Chemistry</i> , 2014, 86, 774-782.	6.5	28
119	The occurrence of emerging trace organic chemicals in wastewater effluents in Saudi Arabia. <i>Science of the Total Environment</i> , 2014, 478, 152-162.	8.0	76
120	N-nitrosamine rejection by reverse osmosis: Effects of membrane exposure to chemical cleaning reagents. <i>Desalination</i> , 2014, 343, 60-66.	8.2	25
121	Alternative approach to estimate the hydrolysis rate constant of particulate material from batch data. <i>Applied Energy</i> , 2014, 120, 11-15.	10.1	64
122	Investigating the role for adaptation of the microbial community to transform trace organic chemicals during managed aquifer recharge. <i>Water Research</i> , 2014, 56, 172-180.	11.3	67
123	Role of primary substrate composition and concentration on attenuation of trace organic chemicals in managed aquifer recharge systems. <i>Journal of Environmental Management</i> , 2014, 144, 58-66.	7.8	65
124	N-nitrosamine rejection by reverse osmosis membranes: A full-scale study. <i>Water Research</i> , 2013, 47, 6141-6148.	11.3	53
125	Rejection of small and uncharged chemicals of emerging concern by reverse osmosis membranes: The role of free volume space within the active skin layer. <i>Separation and Purification Technology</i> , 2013, 116, 426-432.	7.9	44
126	A Changing Framework for Urban Water Systems. <i>Environmental Science &amp; Technology</i> , 2013, 47, 10721-10726.	10.0	208



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127	N-nitrosamine rejection by nanofiltration and reverse osmosis membranes: The importance of membrane characteristics. <i>Desalination</i> , 2013, 316, 67-75.	8.2	61
128	Critical Review of Desalination Concentrate Management, Treatment and Beneficial Use. <i>Environmental Engineering Science</i> , 2013, 30, 502-514.	1.6	129
129	Flexible hybrid membrane treatment systems for tailored nutrient management: A new paradigm in urban wastewater treatment. <i>Journal of Membrane Science</i> , 2013, 446, 34-41.	8.2	44
130	Fate of bulk and trace organics during a simulated aquifer recharge and recovery (ARR)-ozone hybrid process. <i>Chemosphere</i> , 2013, 93, 2055-2062.	8.2	21
131	Microbial community evolution during simulated managed aquifer recharge in response to different biodegradable dissolved organic carbon (BDOC) concentrations. <i>Water Research</i> , 2013, 47, 2421-2430.	11.3	87
132	Identifying Well Contamination through the use of 3-D Fluorescence Spectroscopy to Classify Coalbed Methane Produced Water. <i>Environmental Science &amp; Technology</i> , 2013, 47, 649-656.	10.0	42
133	Boron as a Surrogate for <i>N</i> -Nitrosodimethylamine Rejection by Reverse Osmosis Membranes in Potable Water Reuse Applications. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6425-6430.	10.0	18
134	Effects of membrane fouling on N-nitrosamine rejection by nanofiltration and reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2013, 427, 311-319.	8.2	59
135	Response to Comment on "Identifying Well Contamination through the use of 3-D Fluorescence Spectroscopy to Classify Coalbed Methane Produced Water". <i>Environmental Science &amp; Technology</i> , 2013, 47, 130111084155004.	10.0	0
136	Designing monitoring programs for chemicals of emerging concern in potable reuse "what to include and what not to include?". <i>Water Science and Technology</i> , 2013, 67, 433-439.	2.5	38
137	Introduction: Reinventing Urban Water Infrastructure. <i>Environmental Engineering Science</i> , 2013, 30, 393-394.	1.6	3
138	Integration of Artificial Recharge and Recovery Systems for Impaired Water Sources in Urban Settings: Overcoming Current Limitations and Engineering Challenges. <i>Environmental Engineering Science</i> , 2013, 30, 409-420.	1.6	24
139	Dissolved Organic Carbon Influences Microbial Community Composition and Diversity in Managed Aquifer Recharge Systems. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6819-6828.	3.1	128
140	Water reuse in the Kingdom of Saudi Arabia "status, prospects and research needs. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 926-936.	2.1	36
141	Removal of trace organic chemicals in onsite wastewater soil treatment units: A laboratory experiment. <i>Water Research</i> , 2012, 46, 5174-5184.	11.3	40
142	The role of microbial adaptation and biodegradable dissolved organic carbon on the attenuation of trace organic chemicals during groundwater recharge. <i>Science of the Total Environment</i> , 2012, 437, 137-144.	8.0	48
143	Sorption of ionized and neutral emerging trace organic compounds onto activated sludge from different wastewater treatment configurations. <i>Water Research</i> , 2012, 46, 1958-1968.	11.3	143
144	Variability of trace organic chemical concentrations in raw wastewater at three distinct sewershed scales. <i>Water Research</i> , 2012, 46, 3261-3271.	11.3	61

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145	Water reuse: achievements and future challenges. Journal of Water Supply: Research and Technology - AQUA, 2012, 61, 461-462.	1.4	0
146	Determining key factors and challenges that affect the future of water reuse. Journal of Water Supply: Research and Technology - AQUA, 2012, 61, 518-528.	1.4	1
147	N-nitrosamine removal by reverse osmosis for indirect potable water reuse – A critical review based on observations from laboratory-, pilot- and full-scale studies. Separation and Purification Technology, 2012, 98, 503-515.	7.9	118
148	Effects of Feed Solution Characteristics and Membrane Fouling on N-Nitrosamine Rejection by Reverse Osmosis Membranes. Procedia Engineering, 2012, 44, 1993-1995.	1.2	0
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